ABLTS Proposed Reduction

Actions to date

- OPNAV request to reduce ABLTS on MPSRONs
  - N753 Memo to POE-60 9000/Ser N753E/4U77614
  - USMC response requested prior to 30 Sep 04
  - POE-60 July 19 email requested input at POWG 04-3

ABLTS Specs

- **Fuel System:**
  - **Two hose reels - 5,000 ft. 6” hose (600 gpm)**
  - **One ISO container - support equipment**
- **Potable Water System:**
  - **One hose reel - 10,000 ft. 4” hose (250 gpm)**
  - **One ISO container - support equipment**

Squadron Distribution

- Present distribution:

MPSRON	PER Ship	Total
1	2 Fuel, 1 Water, 2 TEU	10 Fuel, 5 Water, 11 TEU
2	2 Fuel, 1 Water, 2 TEU	10 Fuel, 5 Water, 11 TEU
3	2 Fuel, 1 Water, 2 TEU	12 Fuel, 6 Water, 13 TEU

- Proposed distribution:

MPSRON	**Per MEU Slice Ship**	Total
1	2 Fuel, 1 Water, 2 TEU	**4 Fuel, 2 Water, 4 TEU**
2	2 Fuel, 1 Water, 2 TEU	**4 Fuel, 2 Water, 4 TEU**
3	2 Fuel, 1 Water, 2 TEU	**4 Fuel, 2 Water, 4 TEU**

Considerations

- Can all ships rotate through same ABLTS systems?
- Can system be cross-decked or re-located to offset reconstitution loss?
- Can system be cross-decked or re-located to employ via a non flag ship?
  - Can ABLTS mounts remain and still utilize space for cargo or INLS
  - How long will ship-to-ship transfer of ABLTS take?
- What is the maintenance reliability of ABLTS
  - Does proposal provide sufficient redundancy
  - Is there a better balance between proposed and current alignment
- MARFORs will have another logistics limitation to consider
  - Is this acceptable?
  - Are there contingencies or plans that would be hindered by proposed alignment
- What happens to the excess systems?
  - Maintained ashore, scrapped, stripped for parts, geo-prepo, etc?
  - Could system be useful to ATF?

Considerations

- Is simultaneous liquid discharge of an entire MPSRON likely?
  - 1 ABLTS = 600 GPM fuel/250 GPM water ~ 720K GPD fuel/300K GPD water
  - Total ABLTS capacity 3.6M GPD fuel/1.5M GPD water
  - 1 OPDS ~ 1.2M GPD
  - What is MPF MEB fuel requirement per day?
  - What is MPF MEB water requirement per day?
  - What is MPS water and fuel storage/water production capacity?
- If proposal is implemented total throughput capability (flag/alt-flag being reconstituted)
  - 2 x 720K GPD = 1.44M GPD (720K GPD) fuel
  - 2 x 300K GPD = 600K GPD (300 KGPD) water